

### **What Is Claimed Is**

1. In a biological and chemical protective garment having an exterior and interior polymeric film surface, the improvement which comprises that the interior of said garment has an antistatic effective amount of a conductive and water-absorbing or hygroscopic inorganic salt coating.
2. The protective garment of claim 1 wherein said garment has the internal portion of an outer film layer coated with said inorganic salt.
3. The protective garment of claim 1 wherein said garment has an interior non-woven scrim containing said inorganic salt.
4. The protective garment of claim 3 wherein said scrim is attached to an outer film layer with a pressure sensitive adhesive containing an antistatic agent so as to form an electrical bridge.
5. The protective garment of claim 3 wherein said scrim is spin bonded or melt spun and a powder of said inorganic salt is applied.
6. The protective garment of claim 3 wherein said scrim comprises about 10 to 25 mg per m<sup>2</sup> of said inorganic salts.
7. The protective garment of claim 1 comprising 10 to 25 mg per m<sup>2</sup> of the interior film surface of said garment of said salt.
8. The protective garment of claim 1 wherein said inorganic salt is selected from the group consisting of alkali metal salts, alkaline earth metal salts, boric acid, and hydrates thereof.

9. The protective garment of claim 1 wherein said inorganic salt is selected from the group consisting of sodium sulfate, calcium sulfate, calcium acetate, magnesium acetate, magnesium sulfate, magnesium, chloride, lithium chloride and the hydrates thereof.
10. The protective garment of claim 1 wherein said inorganic salt comprises about 0.1 to 10% by weight of said garment.
11. The protective garment of claim 1 wherein said garment comprises a film layer selected from the group consisting of polyolefin, polymethacrylate, ionomer, polyvinyl alcohol and polyethylene terephthalate.
12. A chemical and biologically protective garment comprising:
  - a) an outer polymeric film, and
  - b) a non-woven scrim adhesively attached on the interior of said outer film, said scrim comprising an antistatic effective amount of a water absorbing and conductive inorganic salt or hydrates thereof, which antistatic effect is further activated by the humidity within said garment generated by a wearer.
13. The protective garment of claim 12 wherein said scrim comprises a non-woven web having about 0.1 to 25 mg per m<sup>2</sup> of said inorganic salt.
14. The protective garment of claim 13 wherein said scrim comprises a polyolefin.
15. The protective garment of claim 12 wherein said scrim is adhesively attached to said outer polymeric film with a pressure sensitive adhesive containing an effective amount of an anti-static agent to form an electrically conductive bridge.
16. A method for providing a protective garment with antistatic properties which comprise including on the internal portion of said garment an antistatic effective amount of a water absorbing and conductive inorganic salt or its hydrate which is further

activated by the humidity generated by a wearer to provide an antistatic and fire resistant effect.

17. The method of claim 16 wherein said inorganic salt comprises about 0.1 to 10% by weight of said garment.

18. The method of claim 16 wherein said inorganic salt is incorporated in a scrim of said garment.

19. The method of claim 16 wherein said inorganic salt is selected from the group consisting of alkali metal salts, boric acid and the hydrates thereof.